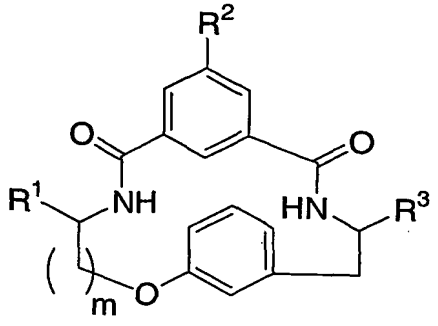
WHAT IS CLAIMED IS:

1. A compound of the formula I:



I

wherein:

R^1 is selected from the group consisting of:

(1) hydrogen,

(2) $-C_{1-6}$alkyl, $-C_{2-6}$alkenyl, $-C_{2-6}$alkynyl, or $-C_{3-8}$cycloalkyl which is unsubstituted or substituted with 1-7 substituents where the substituents are independently selected from:

(a) halo,

(b) hydroxy,

(c) $-O-C_{1-6}$alkyl,

(d) $-C_{3-6}$cycloalkyl,

(e) phenyl or biphenyl, which is unsubstituted or substituted with 1-5 substituents where the substituents are independently selected from:

(i) $-C_{1-6}$alkyl,

(ii) $-C_{3-6}$cycloalkyl,

(iii) $-O-C_{1-6}$alkyl,

(iv) halo,

(v) hydroxy,

(vi) $-CF_3$,

(vii) $-OCF_3$,

(viii) $-NR^9R^{10}$, and

(ix) -CN,

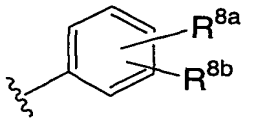
(f) $-CO_2R^9$, wherein R^9 is independently selected from:
  (i) hydrogen,
  (ii) $-C_{1-6}$alkyl, which is unsubstituted or substituted with 1-6 fluoro,
  (iii) benzyl, and
  (iv) phenyl,
(g) $-NR^9R^{10}$, wherein R^{10} is independently selected from:
  (i) hydrogen,
  (ii) $-C_{1-6}$alkyl, which is unsubstituted or substituted with 1-6 fluoro,
  (iii) benzyl, and
  (iv) phenyl,
(h) $-CONR^9R^{10}$,

(3) phenyl which is unsubstituted or substituted with 1-5 substituents where the substituents are independently selected from:
  (a) $-C_{1-6}$alkyl,
  (b) $-C_{1-6}$alkyl-phenyl,
  (c) $-C_{3-6}$cycloalkyl,
  (d) $-O-C_{1-6}$alkyl,
  (e) halo,
  (f) hydroxy,
  (g) $-CF_3$,
  (h) $-OCF_3$,
  (i) $-NR^9R^{10}$, and
  (j) -CN;

R^2 is selected from the group consisting of:
(1) hydrogen,
(2) R^4-$S(O)_p$-,
  wherein R^4 is independently selected from the group consisting of:
    (a) $-C_{1-6}$alkyl, which is unsubstituted or substituted with 1-6 fluoro,
    (b) phenyl, and
    (c) benzyl,
  and wherein *p* is independently 0, 1, or 2,
(3) R^4-$S(O)_pN(R^5)$-,
  wherein R^5 is independently selected from the group consisting of:

(a) hydrogen,
(b) -C_{1-6}alkyl, which is unsubstituted or substituted with 1-6 fluoro,
(c) phenyl, and
(d) benzyl,

(4) -CN,
(5) -C_{1-6}alkyl-CN,
(6) halogen,
(7)



,

wherein R^{8a} and R^{8b} are independently selected from the group consisting of:
(a) hydrogen,
(b) -CN,
(c) halo,
(d) -C_{1-6}alkyl,
(e) -O-R^5,
(f) -S-R^5,
(g) -CO_2R^5, and
(h) tetrazolyl,

(8)

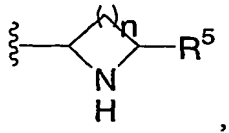
wherein n is 1, 2, 3 or 4;

R^3 is selected from the group consisting of:
(1) -CH(OH)-R^6,
(2) -C(O)R^6,
(3) -CH(R^6)-NR^7R^9, and
(4) -C(O)-NR^7R^9;

R^6 is independently selected from the group consisting of:
(1) hydrogen

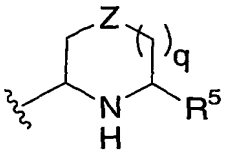
(2) C_{1-6} alkyl,

(3)

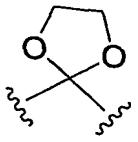


, and

(4)



wherein Z is selected from the group consisting of -C(O)-, -CH(OH)-, and



;

and wherein q is 1 or 2;

R^7 is selected from the group consisting of :

(1) hydrogen,

(2) -C_{1-6}alkyl, -C_{2-6}alkenyl, -C_{2-6}alkynyl, or -C_{3-8}cycloalkyl which is unsubstituted or substituted with 1-7 substituents where the substituents are independently selected from:

(a) halo,

(b) hydroxy,

(c) -O-C_{1-6}alkyl,

(d) -C_{3-6}cycloalkyl,

(e) phenyl or biphenyl, which is unsubstituted or substituted with 1-5 substituents where the substituents are independently selected from:

(i) -C_{1-6}alkyl,

(ii) -C_{3-6}cycloalkyl,

(iii) -O-C_{1-6}alkyl,

(iv) halo,

(v) hydroxy,

(vi) $-CF_3$,
(vii) $-OCF_3$,
(viii) $-NR^9R^{10}$, and
(ix) -CN,

(f) $-CO_2R^9$,
(g) $-NR^9R^{10}$,
(h) $-CONR^9R^{10}$,

(3) $-CHR^5-CONR^9R^{10}$,

(4) phenyl which is unsubstituted or substituted with 1-5 substituents where the substituents are independently selected from:
(a) $-C_{1-6}$alkyl,
(b) $-C_{1-6}$alkyl-phenyl,
(c) $-C_{3-6}$cycloalkyl,
(d) $-O-C_{1-6}$alkyl,
(e) halo,
(f) hydroxy,
(g) $-CF_3$,
(h) $-OCF_3$,
(i) $-NR^9R^{10}$, and
(j) -CN;

m is independently 1, 2, 3 or 4;
and pharmaceutically acceptable salts thereof.

2. The compound of Claim 1 wherein R^1 is selected from the group consisting of:

(1) hydrogen,

(2) -C_{1-6}alkyl, which is unsubstituted or substituted with 1-7 substituents where the substituents are independently selected from:

(a) halo,

(b) hydroxy,

(c) -O-C_{1-6}alkyl,

(d) -C_{3-6}cycloalkyl,

(e) phenyl or biphenyl, which is unsubstituted or substituted with 1-5 substituents where the substituents are independently selected from:

(i) -C_{1-6}alkyl,

(ii) -C_{3-6}cycloalkyl,

(iii) -O-C_{1-6}alkyl,

(iv) halo,

(v) hydroxy,

(vi) -CF_3,

(vii) -OCF_3,

(viii) -NR^9R^{10}, and

(ix) -CN,

(f) -CO_2R^9, wherein R^9 is independently selected from:

(i) hydrogen,

(ii) -C_{1-6}alkyl, which is unsubstituted or substituted with 1-6 fluoro,

(iii) benzyl, and

(iv) phenyl,

(g) -NR^9R^{10}, wherein R^{10} is independently selected from:

(i) hydrogen,

(ii) -C_{1-6}alkyl, which is unsubstituted or substituted with 1-6 fluoro,

(iii) benzyl, and

(iv) phenyl,

(h) -$CONR^9R^{10}$,

(3) phenyl which is unsubstituted or substituted with 1-5 substituents where the substituents are independently selected from:

(a) -C_{1-6}alkyl,

(b) -C_{1-6}alkyl-phenyl,
(c) -C_{3-6}cycloalkyl,
(d) -O-C_{1-6}alkyl,
(e) halo,
(f) hydroxy,
(g) -CF_3,
(h) -OCF_3,
(i) -NR^9R^{10}, and
(j) -CN.

3. The compound of Claim 1 wherein R^1 is selected from the group consisting of:
(1) hydrogen,
(2) methyl,
(3) isopropyl,
(4) isobutyl, and
(5) phenyl.

4. The compound of Claim 1 wherein R^2 is:
R^4-$S(O)_2N(R^5)$-,
wherein R^4 is independently selected from the group consisting of:
(a) -C_{1-6}alkyl, which is unsubstituted or substituted with 1-6 fluoro,
(b) phenyl, and
(c) benzyl,
and wherein R^5 is independently selected from the group consisting of:
(a) hydrogen,
(b) -C_{1-6}alkyl, which is unsubstituted or substituted with 1-6 fluoro,
(c) phenyl, and
(d) benzyl.

5. The compound of Claim 1 wherein R^2 is
CH_3-$S(O)_2N(CH_3)$-.

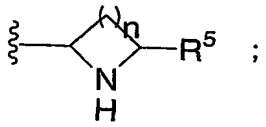
6. The compound of Claim 1 wherein R^3 is selected from the group consisting of:

(1) -CH(OH)-R^6,

(2) -C(O)R^6, and

(3) -CH(R^6)-NR^7R^9.

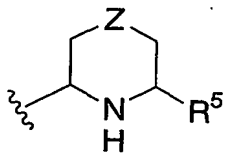
7. The compound of Claim 1 wherein R^6 is:



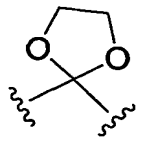
;

and wherein n is 2 or 3, and R^5 is hydrogen or methyl.

8. The compound of Claim 1 wherein R^6 is:



wherein R^5 is hydrogen or methyl, and Z is selected from the group consisting of -C(O)-, -CH(OH)-, and



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9. The compound of Claim 1 wherein R^3 is selected from the group consisting of:

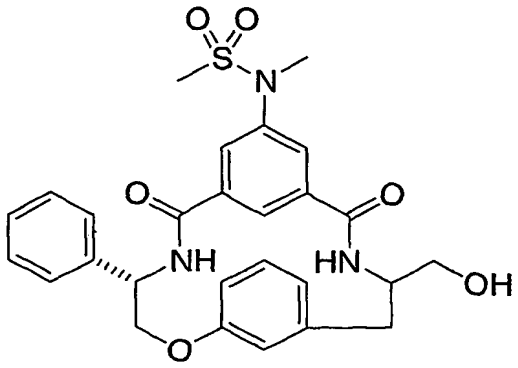
(1) -CH_2-OH, and

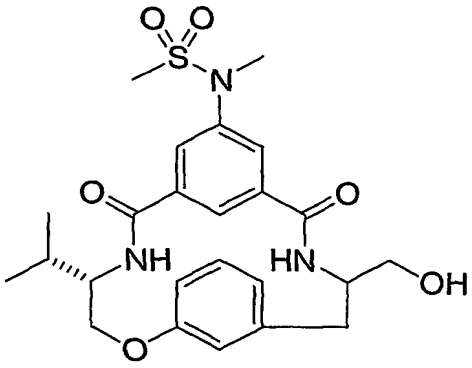
(2) -CH_2-NH-CH(CH_2CH_3)-CO-NH-$CH_2CH(CH_3)_2$.

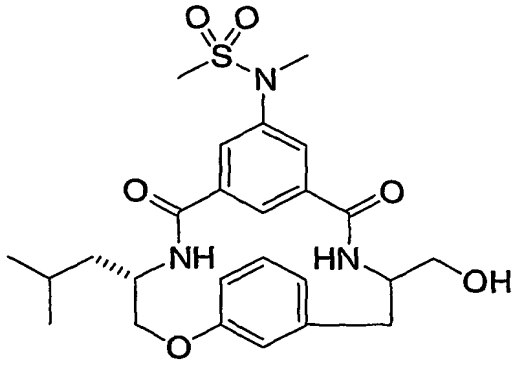
10. The compound of Claim 1 wherein m is 1.

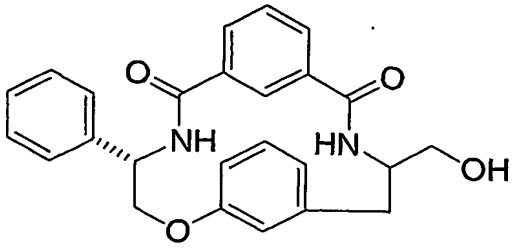
11. The compound of Claim 1 wherein m is 2.

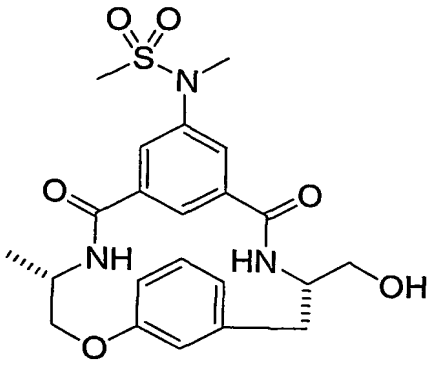
12. A compound which is selected from the group consisting of:

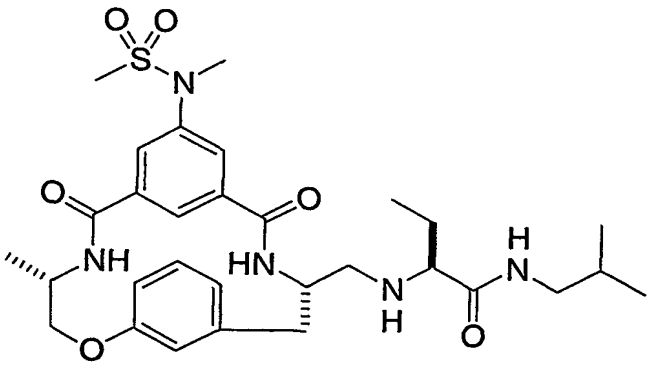


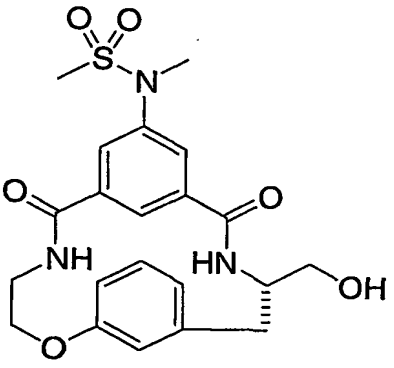


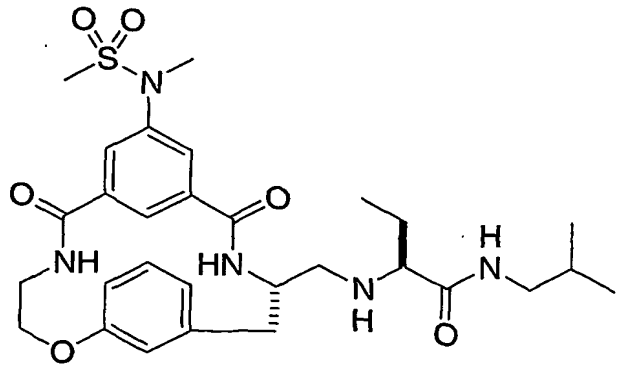


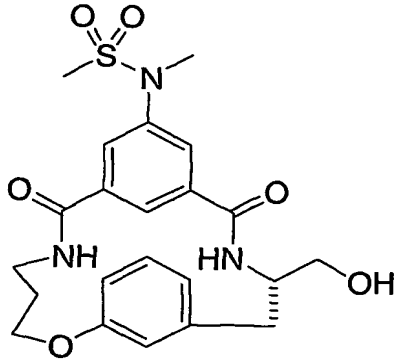












and pharmaceutically acceptable salts thereof.

13. A pharmaceutical composition comprising an effective amount of a compound of Claim 1 and a pharmaceutically acceptable carrier.

14. A method for inhibition of β-secretase activity in a mammal in need thereof which comprises administering to the mammal a therapeutically effective amount of a compound of Claim 1.

15. A method for treating, preventing, controlling, ameliorating or reducing the risk of Alzheimers disease in a patient in need thereof comprising administering to the patient an effective amount of a compound of Claim 1.